

# University of Nebraska

## Weed control in no till soybeans II

Trial ID: L0734  
Location: Mead

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.:** Nebraska  
**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.	LAMAM	Henbit	Lamium amplexicaule
2.	DESSS	Tansymustard	Descurainia sp.
3.	HELAN	Common sunflower	Helianthus annuus
4.	ABUTH	Velvetleaf	Abutilon theophrasti
5.	AMAPA	Amaranth, Palmer	Amaranthus palmeri
6.	ALOCA	Foxtail, Carolina	Alopecurus carolinianus
7.	SETVI	Green foxtail	Setaria viridis
8.	ERICA	Horseweed, Canada	Erigeron canadensis

**Crop 1:** GLXMA SOYBEAN **Variety:** Asgrow 2703  
**Planting Date:** 18/May/2007 **Planting Method:** planted  
**Rate:** 180000 seeds/acre **Depth:** 1.25 in  
**Row Spacing:** 30 in **Seed Bed:** medium  
**Soil Temperature:** 15 C **Soil Moisture:** good **Emergence Date:** 24/May/2007

### SITE AND DESIGN

**Plot Width, Unit:** 10 FT **Plot Length, Unit:** 30 FT **Reps:** 3  
**Site Type:** field  
**Tillage Type:** no-till **Study Design:** RANDOMIZED COMPLETE BLOCK

### SOIL DESCRIPTION

**% Sand:** 6 **% OM:** 3.1 **Texture:** Silty clay loam  
**% Silt:** 65 **pH:** 6.6 **Soil Name:** Sharpesburg  
**% Clay:** 29 **CEC:** 31 **Fert. Level:** good

### APPLICATION DESCRIPTION

	A	B
<b>Application Date:</b>	17/May/2007	28/Jun/2007
<b>Time of Day:</b>	6:30 pm	9:00 am
<b>Application Method:</b>	Spray	Spray
<b>Application Timing:</b>	pre	mpost
<b>Applic. Placement:</b>	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	70 F	73 F
<b>% Relative Humidity:</b>	34	44
<b>Wind Velocity, Unit:</b>	10 mph	9 mph
<b>Dew Presence (Y/N):</b>	n	n
<b>Soil Temp., Unit:</b>	11 C	17 C
<b>Soil Moisture:</b>	good	good
<b>% Cloud Cover:</b>	0	60

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## CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA	GLXMA
Stage Scale:	pre	V6
Height, Unit:		15 in

## WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	LAMAM	LAMAM
Stage Scale:	8 in	
Density, Unit:	50 m2	
Weed 2 Code, Stage:	DESSS	DESSS
Stage Scale:	18 in	
Density, Unit:	10 m2	
Weed 3 Code, Stage:	HELAN	HELAN
Stage Scale:	6 in	14 in
Density, Unit:	2 m2	3 m2
Weed 4 Code, Stage:	ABUTH	ABUTH
Stage Scale:		10 in
Density, Unit:		3 m2
Weed 5 Code, Stage:	AMAPA	AMAPA
Stage Scale:		10 in
Density, Unit:		4 m2
Weed 6 Code, Stage:	ALOCA	ALOCA
Stage Scale:	15 in	
Density, Unit:	10 m2	
Weed 7 Code, Stage:	SETVI	SETVI
Stage Scale:		8 in
Density, Unit:		10 m2
Weed 8 Code, Stage:	ERICA	ERICA
Stage Scale:	8 in	
Density, Unit:	5 m2	

## APPLICATION EQUIPMENT

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

## Trial Comments

Monsanto protocol 30-13

Data requested

Weed control prior it post, and 14,28 DAT  
 Crop Injury - 7,14 DAT  
 Yield

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## Weed control in no till soybeans II

Trial ID: L0734

Study Dir.: Kevin Horky

Location: Mead

Investigator: Dr. Mark Bernards

Weed Code					HELAN	ABUTH	AMAPA	ERICA	ALOCA	
Crop Code					GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Unit					%	%	%	%	%	
Rating Date					27/Jun/2007	27/Jun/2007	27/Jun/2007	27/Jun/2007	27/Jun/2007	
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	1	2	3	4	5
1	Check				101	0	0	0	0	0
					205	0	0	0	0	0
					306	0	0	0	0	0
					Mean =	0	0	0	0	0
2	Roundup Weathermax	22 oz/a		pre	102	90	90	95	99	95
	Intro	2 qt/a		pre	208	99	95	99	99	95
	AMS	2 % w/w		pre	303	95	95	99	99	99
	Roundup Weathermax	22 oz/a		mpost						
	AMS	2 % w/w		mpost						
					Mean =	95	93	98	99	96
3	Roundup Weathermax	22 oz/a		pre	103	90	90	99	99	99
	Prowl H20	2 pt/a		pre	207	90	95	90	99	95
	AMS	2 % w/w		pre	302	95	99	99	99	99
	Roundup Weathermax	22 oz/a		mpost						
	AMS	2 % w/w		mpost						
					Mean =	92	95	96	99	98
4	Roundup Weathermax	22 oz/a		pre	104	80	90	99	99	99
	AMS	2 % w/w		pre	203	99	95	99	99	99
	Valor	2 oz/a		pre	305	95	95	99	99	95
	Roundup Weathermax	22 oz/a		mpost						
	AMS	2 % w/w		mpost						
					Mean =	91	93	99	99	98
5	Roundup Weathermax	22 oz/a		pre	105	95	95	99	99	99
	Valor XLT	3 oz/a		pre	202	99	99	99	99	99
	AMS	2 % w/w		pre	307	99	95	99	99	90
	Roundup Weathermax	22 oz/a		mpost						
	AMS	2 % w/w		mpost						
					Mean =	98	96	99	99	96
6	Roundup Weathermax	22 oz/a		pre	106	95	95	99	99	95
	Authority First	3.22 oz/a		pre	204	99	99	99	99	99
	AMS	2 % w/w		pre	301	99	95	99	99	90
	Roundup Weathermax	22 oz/a		mpost						
	AMS	2 % w/w		mpost						
					Mean =	98	96	99	99	95
7	Roundup Weathermax	22 oz/a		pre	107	90	90	99	99	95
	Reflex	16 oz/a		pre	201	99	90	99	99	99
	Dual II Magnum	1.13 pt/a		pre	308	85	90	95	99	90
	AMS	2 % w/w		pre						
	Roundup Weathermax	22 oz/a		mpost						
	AMS	2 % w/w		mpost						
					Mean =	91	90	98	99	95

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Weed Code						HELAN	ABUTH	AMAPA	ERICA	ALOCA
Crop Code						GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit						%	%	%	%	%
Rating Date						27/Jun/2007	27/Jun/2007	27/Jun/2007	27/Jun/2007	27/Jun/2007
ARM Action Codes										
# Subsamples, Dec.										
Trt	Treatment	Rate	Grow							
No.	Name	Rate	Unit	Stg	Plot	1	2	3	4	5
8	Roundup Weathermax	22	oz/a	pre	108	95	95	99	99	95
	KIH-485	4	oz/a	pre	206	99	99	90	99	99
	AMS	2	% w/w	pre	304	99	95	99	99	95
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	98	96	96	99	96

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date ARM Action Codes # Subsamples, Dec.					HELAN GLXMA CONTROL %	ABUTH GLXMA CONTROL %	AMAPA GLXMA CONTROL %	ERICA GLXMA CONTROL %	ALOCA GLXMA CONTROL %	
					12/Jul/2007	12/Jul/2007	12/Jul/2007	12/Jul/2007	12/Jul/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
					306	0	0	0	0	0
					Mean =	0	0	0	0	0
2	Roundup Weathermax	22	oz/a	pre	102	99	99	99	99	99
	Intrro	2	qt/a	pre	208	99	99	99	99	99
	AMS	2	% w/w	pre	303	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99
3	Roundup Weathermax	22	oz/a	pre	103	99	99	99	99	99
	Prowl H20	2	pt/a	pre	207	99	99	99	99	99
	AMS	2	% w/w	pre	302	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99
4	Roundup Weathermax	22	oz/a	pre	104	99	99	99	99	99
	AMS	2	% w/w	pre	203	99	99	99	99	99
	Valor	2	oz/a	pre	305	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99
5	Roundup Weathermax	22	oz/a	pre	105	99	99	99	99	99
	Valor XLT	3	oz/a	pre	202	99	99	99	99	99
	AMS	2	% w/w	pre	307	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99
6	Roundup Weathermax	22	oz/a	pre	106	99	99	99	99	99
	Authority First	3.22	oz/a	pre	204	99	99	99	99	99
	AMS	2	% w/w	pre	301	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99
7	Roundup Weathermax	22	oz/a	pre	107	99	99	99	99	99
	Reflex	16	oz/a	pre	201	99	99	99	99	99
	Dual II Magnum	1.13	pt/a	pre	308	99	99	99	99	99
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99
8	Roundup Weathermax	22	oz/a	pre	108	99	99	99	99	99
	KIH-485	4	oz/a	pre	206	99	99	99	99	99
	AMS	2	% w/w	pre	304	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
					Mean =	99	99	99	99	99

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date ARM Action Codes # Subsamples, Dec.					HELAN GLXMA CONTROL %	ABUTH GLXMA CONTROL %	AMAPA GLXMA CONTROL %	ERICA GLXMA CONTROL %	ALOCA GLXMA CONTROL %	
					26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	11	12	13	14	15
1	Check				101 205 306	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
Mean =						0	0	0	0	0
2	Roundup Weathermax	22	oz/a	pre	102	99	99	99	99	99
	Intrro	2	qt/a	pre	208	99	99	99	99	99
	AMS	2	% w/w	pre	303	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99
3	Roundup Weathermax	22	oz/a	pre	103	99	99	99	99	99
	Prowl H20	2	pt/a	pre	207	99	99	99	99	99
	AMS	2	% w/w	pre	302	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99
4	Roundup Weathermax	22	oz/a	pre	104	99	99	99	99	99
	AMS	2	% w/w	pre	203	99	99	99	99	99
	Valor	2	oz/a	pre	305	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99
5	Roundup Weathermax	22	oz/a	pre	105	99	99	99	99	99
	Valor XLT	3	oz/a	pre	202	99	99	99	99	99
	AMS	2	% w/w	pre	307	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99
6	Roundup Weathermax	22	oz/a	pre	106	99	99	99	99	99
	Authority First	3.22	oz/a	pre	204	99	99	99	99	99
	AMS	2	% w/w	pre	301	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99
7	Roundup Weathermax	22	oz/a	pre	107	99	99	99	99	99
	Reflex	16	oz/a	pre	201	99	99	99	99	99
	Dual II Magnum	1.13	pt/a	pre	308	99	99	99	99	99
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99
8	Roundup Weathermax	22	oz/a	pre	108	99	99	99	99	99
	KIH-485	4	oz/a	pre	206	99	99	99	99	99
	AMS	2	% w/w	pre	304	99	99	99	99	99
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
Mean =						99	99	99	99	99

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Weed Code					GLXMA	GLXMA	GLXMA	
Crop Code					YIELD	MOICON	YIELD	
Rating Data Type					LB	%	bu/ac	
Rating Unit					30/Oct/2007	30/Oct/2007	30/Oct/2007	
Rating Date							TY1	
ARM Action Codes							1	
# Subsamples, Dec.								
Trt	Treatment	Rate	Grow					
No.	Name	Rate	Unit	Stg	Plot	16	17	18
1	Check				101	2	13	5.1
					205	2	13	3.9
					306	2	12	3.9
					Mean =	2	13	4.3
2	Roundup Weathermax	22 oz/a	pre		102	14	13	34.3
	Intrro	2 qt/a	pre		208	10	12	23.7
	AMS	2 % w/w	pre		303	15	12	37.6
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	13	12	31.9
3	Roundup Weathermax	22 oz/a	pre		103	13	12	31.5
	Prowl H20	2 pt/a	pre		207	12	12	28.6
	AMS	2 % w/w	pre		302	15	13	37.2
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	13	12	32.4
4	Roundup Weathermax	22 oz/a	pre		104	7	12	16.4
	AMS	2 % w/w	pre		203	13	13	31.8
	Valor	2 oz/a	pre		305	12	12	30.2
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	11	12	26.2
5	Roundup Weathermax	22 oz/a	pre		105	11	12	27.4
	Valor XLT	3 oz/a	pre		202	14	12	34.7
	AMS	2 % w/w	pre		307	13	12	30.5
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	13	12	30.8
6	Roundup Weathermax	22 oz/a	pre		106	10	12	25.2
	Authority First	3.22 oz/a	pre		204	10	12	25.2
	AMS	2 % w/w	pre		301	14	12	35.1
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	12	12	28.5
7	Roundup Weathermax	22 oz/a	pre		107	14	12	33.4
	Reflex	16 oz/a	pre		201	12	13	29.5
	Dual II Magnum	1.13 pt/a	pre		308	12	12	28.1
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	12	12	30.3
8	Roundup Weathermax	22 oz/a	pre		108	12	13	29.9
	KIH-485	4 oz/a	pre		206	11	12	27.8
	AMS	2 % w/w	pre		304	12	12	28.8
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
					Mean =	12	12	28.8

Column 18: TY1 = 2.42\*[16]\*(100-[17])/87

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## Weed control in no till soybeans II

Trial ID: L0734

Study Dir.: Kevin Horkey

Location: Mead

Investigator: Dr. Mark Bernards

Weed Code		HELAN	ABUTH	AMAPA	ERICA	ALOCA		
Crop Code		GLXMA	GLXMA	GLXMA	GLXMA	GLXMA		
Rating Data Type		CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Unit		%	%	%	%	%		
Rating Date		27/Jun/2007	27/Jun/2007	27/Jun/2007	27/Jun/2007	27/Jun/2007		
ARM Action Codes								
# Subsamples, Dec.								
Trt No.	Treatment Name	Rate	Grow Stg	1	2	3	4	5
1	Check			0 b	0 c	0 b	0 b	0 b
2	Roundup Weathermax	22 oz/a	pre	95 a	93 ab	98 a	99 a	96 a
	Intrro	2 qt/a	pre					
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
3	Roundup Weathermax	22 oz/a	pre	92 a	95 ab	96 a	99 a	98 a
	Prowl H20	2 pt/a	pre					
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
4	Roundup Weathermax	22 oz/a	pre	91 a	93 ab	99 a	99 a	98 a
	AMS	2 % w/w	pre					
	Valor	2 oz/a	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
5	Roundup Weathermax	22 oz/a	pre	98 a	96 a	99 a	99 a	96 a
	Valor XLT	3 oz/a	pre					
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
6	Roundup Weathermax	22 oz/a	pre	98 a	96 a	99 a	99 a	95 a
	Authority First	3.22 oz/a	pre					
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
7	Roundup Weathermax	22 oz/a	pre	91 a	90 b	98 a	99 a	95 a
	Reflex	16 oz/a	pre					
	Dual II Magnum	1.13 pt/a	pre					
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
8	Roundup Weathermax	22 oz/a	pre	98 a	96 a	96 a	99 a	96 a
	KIH-485	4 oz/a	pre					
	AMS	2 % w/w	pre					
	Roundup Weathermax	22 oz/a	mpost					
	AMS	2 % w/w	mpost					
LSD (P=.05)				7.2	3.6	5.0	0.0	5.3
Standard Deviation				4.1	2.0	2.8	0.0	3.0
CV				4.96	2.46	3.32	0.0	3.62
Grand Mean				82.75	82.54	85.54	86.63	84.17
Bartlett's X2				8.085	1.42	2.212	0.0	3.12
P(Bartlett's X2)				0.232	0.922	0.53	.	0.794
Replicate F				4.592	5.812	1.012	0.000	2.591
Replicate Prob(F)				0.0293	0.0145	0.3887	1.0000	0.1103
Treatment F				200.510	810.059	444.613	0.000	374.322
Treatment Prob(F)				0.0001	0.0001	0.0001	1.0000	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				HELAN GLXMA CONTROL %	ABUTH GLXMA CONTROL %	AMAPA GLXMA CONTROL %	ERICA GLXMA CONTROL %	ALOCA GLXMA CONTROL %	HELAN GLXMA CONTROL %	
Crop Code				12/Jul/2007	12/Jul/2007	12/Jul/2007	12/Jul/2007	12/Jul/2007	26/Jul/2007	
Rating Data Type										
Rating Unit										
Rating Date										
ARM Action Codes										
# Subsamples, Dec.										
Trt No.	Treatment Name	Rate	Unit	Grow Stg	6	7	8	9	10	11
1	Check				0 b	0 b	0 b	0 b	0 b	0 b
2	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	Intrro	2	qt/a	pre						
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
3	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	Prowl H20	2	pt/a	pre						
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
4	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	AMS	2	% w/w	pre						
	Valor	2	oz/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
5	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	Valor XLT	3	oz/a	pre						
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
6	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	Authority First	3.22	oz/a	pre						
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
7	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	Reflex	16	oz/a	pre						
	Dual II Magnum	1.13	pt/a	pre						
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
8	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	99 a	99 a	99 a
	KIH-485	4	oz/a	pre						
	AMS	2	% w/w	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2	% w/w	mpost						
LSD (P=.05)					0.0	0.0	0.0	0.0	0.0	0.0
Standard Deviation					0.0	0.0	0.0	0.0	0.0	0.0
CV					0.0	0.0	0.0	0.0	0.0	0.0
Grand Mean					86.63	86.63	86.63	86.63	86.63	86.63
Bartlett's X2					0.0	0.0	0.0	0.0	0.0	0.0
P(Bartlett's X2)					.	.	.	.	.	.
Replicate F					0.000	0.000	0.000	0.000	0.000	0.000
Replicate Prob(F)					1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Treatment F					0.000	0.000	0.000	0.000	0.000	0.000
Treatment Prob(F)					1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

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				ABUTH GLXMA CONTROL %	AMAPA GLXMA CONTROL %	ERICA GLXMA CONTROL %	ALOCA GLXMA CONTROL %	GLXMA YIELD LB	GLXMA MOICON %
Crop Code				26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	30/Oct/2007	30/Oct/2007
Rating Data Type									
Rating Unit									
Rating Date									
ARM Action Codes									
# Subsamples, Dec.									
Trt No.	Treatment Name	Rate	Grow Unit Stg	12	13	14	15	16	17
1	Check			0 b	0 b	0 b	0 b	2 b	13 a
2	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	13 a	12 a
	Intrro	2 qt/a	pre						
	AMS	2 % w/w	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
3	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	13 a	12 a
	Prowl H20	2 pt/a	pre						
	AMS	2 % w/w	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
4	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	11 a	12 a
	AMS	2 % w/w	pre						
	Valor	2 oz/a	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
5	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	13 a	12 a
	Valor XLT	3 oz/a	pre						
	AMS	2 % w/w	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
6	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	12 a	12 a
	Authority First	3.22 oz/a	pre						
	AMS	2 % w/w	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
7	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	12 a	12 a
	Reflex	16 oz/a	pre						
	Dual II Magnum	1.13 pt/a	pre						
	AMS	2 % w/w	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
8	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	99 a	12 a	12 a
	KIH-485	4 oz/a	pre						
	AMS	2 % w/w	pre						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2 % w/w	mpost						
LSD (P=.05)				0.0	0.0	0.0	0.0	3.6	0.4
Standard Deviation				0.0	0.0	0.0	0.0	2.0	0.2
CV				0.0	0.0	0.0	0.0	18.56	1.72
Grand Mean				86.63	86.63	86.63	86.63	10.93	12.35
Bartlett's X2				0.0	0.0	0.0	0.0	11.952	1.585
P(Bartlett's X2)				.	.	.	.	0.102	0.979
Replicate F				0.000	0.000	0.000	0.000	1.275	0.287
Replicate Prob(F)				1.0000	1.0000	1.0000	1.0000	0.3100	0.7547
Treatment F				0.000	0.000	0.000	0.000	10.488	0.945
Treatment Prob(F)				1.0000	1.0000	1.0000	1.0000	0.0001	0.5040

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				GLXMA
Crop Code				YIELD
Rating Data Type				bu/ac
Rating Unit				30/Oct/2007
Rating Date				TY1
ARM Action Codes				1
# Subsamples, Dec.				
Trt No.	Treatment Name	Rate	Unit	Grow Stg
				18
1	Check			4.3 b
2	Roundup Weathermax	22	oz/a	pre
	Intrro	2	qt/a	pre
	AMS	2	% w/w	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
3	Roundup Weathermax	22	oz/a	pre
	Prowl H20	2	pt/a	pre
	AMS	2	% w/w	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
4	Roundup Weathermax	22	oz/a	pre
	AMS	2	% w/w	pre
	Valor	2	oz/a	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
5	Roundup Weathermax	22	oz/a	pre
	Valor XLT	3	oz/a	pre
	AMS	2	% w/w	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
6	Roundup Weathermax	22	oz/a	pre
	Authority First	3.22	oz/a	pre
	AMS	2	% w/w	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
7	Roundup Weathermax	22	oz/a	pre
	Reflex	16	oz/a	pre
	Dual II Magnum	1.13	pt/a	pre
	AMS	2	% w/w	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
8	Roundup Weathermax	22	oz/a	pre
	KIH-485	4	oz/a	pre
	AMS	2	% w/w	pre
	Roundup Weathermax	22	oz/a	mpost
	AMS	2	% w/w	mpost
LSD (P=.05)				8.60
Standard Deviation				4.91
CV				18.42
Grand Mean				26.65
Bartlett's X2				12.062
P(Bartlett's X2)				0.099
Replicate F				1.277
Replicate Prob(F)				0.3094
Treatment F				10.664
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.

Column 18: TY1 = 2.42\*[16]\*(100-[17])/87