

University of Nebraska

Valor in Field Corn

Trial ID: L0724
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.	LAMAM	Henbit	Lamium amplexicaule
2.	ALOCA	Foxtail, Carolina	Alopecurus carolinianus
3.	DESSS	Tansymustard	Descurainia sp.
4.	CAPSS	Shepherdspurse	Capsella sp.
5.	HELAN	Common sunflower	Helianthus annuus
6.	AMAPA	Amaranth, Palmer	Amaranthus palmeri
7.	SETVI	Green foxtail	Setaria viridis

Crop 1: ZEAMX CORN, FIELD **Variety:** Dekalb 6019 RR
Planting Date: 17/May/2007 **Planting Method:** planted
Rate: 21000 seeds/acre **Depth:** 1.5 in
Row Spacing: 30 in **Seed Bed:** MEDIUM/TRASHY
Soil Temperature: 14 C **Soil Moisture:** good **Emergence Date:** 22/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

MAINTENANCE

Field Prep./Maintenance: Field had anhydrous ammonia applied at rate of 120 lbs nitrogen/acre.

SOIL DESCRIPTION

% Sand: 6 **% OM:** 3.0 **Texture:** Silty clay loam
% Silt: 65 **pH:** 6.7 **Soil Name:** Sharpesburg
% Clay: 29 **CEC:** 30 **Fert. Level:** good

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	2/May/2007	10/May/2007	17/May/2007	22/Jun/2007
Time of Day:	7:00 pm	1:20 pm	3:30 pm	12:30 pm
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	epp	pp	pre	mpost
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	70 F	86 F	70 F	87 F
% Relative Humidity:	31	21	35	50
Wind Velocity, Unit:	8 mph	4.5 mph	12 mph	5 mph
Dew Presence (Y/N):	n	n	n	n
Soil Temp., Unit:	12 C	14 C	16 C	18 C
Soil Moisture:	good	good	good	good
% Cloud Cover:	30	20	2	50

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CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Stage Scale:	pre	pre	pre	V6
Height, Unit:				25 in

WEED STAGE AT EACH APPLICATION

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

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	IH cub	IH cub	IH cub	IH cub
Operating Pressure:	30	30	30	30
Nozzle Type:	Turbo Tee	Turbo Tee	Turbo Tee	Turbo Tee
Nozzle Size:	110015	110015	110015	110015
Nozzle Spacing, Unit:	15 in	15 in	15 in	15 in
Nozzles/Row:	2	2	2	2
Boom Length, Unit:	10 ft	10 ft	10 ft	10 ft
Boom Height, Unit:	28 in	30 in	30 in	35 in
Ground Speed, Unit:	3 mph	3 mph	3 mph	3 mph
Carrier:	water	water	water	water
Spray Volume, Unit:	15 gpa	15 gpa	15 gpa	15 gpa
Propellant:	air	air	air	air

Trial Comments

Valent protocol MD 68.02

Data requested

Crop Injury 35 and 56 Days after planting

Weed Control 35 and 56 Days after planting

epp - 14 days before planting

pp - 7 days before planting

pre - day of planting

mpost - after valent has seen trial

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Valor in Field Corn

Trial ID: L0724

Study Dir.: Kevin Horky

Location: Havelock

Investigator: Dr. Mark Bernards

Weed Code					ABUTH	AMAPA	HELAN	SETVI	ZEAMX	
Crop Code					ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	PHYGEN	
Rating Unit					%	%	%	%	%	
Rating Date					21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	1	2	3	4	5
1	Roundup Weathermax	22	oz/a	epp	101	0	0	95	0	0
	AMS	2.5	lb/a	epp	214	0	0	95	0	0
	Roundup Weathermax	22	oz/a	mpost	316	95	0	95	0	0
	AMS	2.5	lb/a	mpost						
	Mean =					32	0	95	0	0
2	Roundup Weathermax	22	oz/a	epp	102	75	90	95	30	0
	Valor SX	2	oz/a	epp	221	80	90	95	40	0
	AMS	2.5	lb/a	epp	301	75	95	95	40	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
	Mean =					77	92	95	37	0
3	Roundup Weathermax	22	oz/a	epp	103	70	80	95	30	0
	Aatrex	1	lb ai/a	epp	205	75	85	95	40	0
	AMS	2.5	lb/a	epp	321	70	85	95	40	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
	Mean =					72	83	95	37	0
4	Roundup Weathermax	22	oz/a	epp	104	75	85	95	60	0
	Valor SX	2	oz/a	epp	223	75	85	95	70	0
	Aatrex	1	lb ai/a	epp	310	90	90	95	60	0
	AMS	2.5	lb/a	epp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
	Mean =					80	87	95	63	0
5	Roundup Weathermax	22	oz/a	epp	105	60	70	95	75	0
	Bicep II Magnum	1.3	qt/a	epp	201	65	75	95	80	0
	AMS	2.5	lb/a	epp	322	65	70	95	65	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
	Mean =					63	72	95	73	0
6	Roundup Weathermax	22	oz/a	epp	106	85	85	95	50	0
	Lumax	3	pt/a	epp	218	85	90	95	60	0
	AMS	2.5	lb/a	epp	324	80	85	95	60	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
	Mean =					83	87	95	57	0
7	Roundup Weathermax	22	oz/a	epp	107	90	60	95	40	0
	Balance Pro	1.5	oz/a	epp	224	90	70	95	45	0
	AMS	2.5	lb/a	epp	320	90	65	95	50	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
	Mean =					90	65	95	45	0

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Weed Code					ABUTH	AMAPA	HELAN	SETVI	ZEAMX	
Crop Code					ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	PHYGEN	
Rating Unit					%	%	%	%	%	
Rating Date					21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	1	2	3	4	5
8	Roundup Weathermax	22	oz/a	epp	108	75	70	95	40	0
	Epic	5	oz/a	epp	207	75	70	95	45	0
	AMS	2.5	lb/a	epp	303	80	80	95	50	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		77	73	95	45	0
9	Roundup Weathermax	22	oz/a	pp	109	60	80	95	40	0
	AMS	2.5	lb/a	pp	217	65	90	95	50	0
	Roundup Weathermax	22	oz/a	mpost	305	65	90	95	50	0
	AMS	2.5	lb/a	mpost						
				Mean =		63	87	95	47	0
10	Roundup Weathermax	22	oz/a	pp	110	90	95	95	85	0
	Valor SX	2	oz/a	pp	204	95	95	95	90	0
	AMS	2.5	lb/a	pp	312	90	95	95	85	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		92	95	95	87	0
11	Roundup Weathermax	22	oz/a	pp	111	90	95	95	90	0
	Aatrex	1	lb ai/a	pp	203	90	95	95	90	0
	AMS	2.5	lb/a	pp	319	90	95	95	80	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		90	95	95	87	0
12	Roundup Weathermax	22	oz/a	pp	112	90	95	95	90	0
	Valor SX	2	oz/a	pp	213	90	95	95	80	0
	Aatrex	1	lb ai/a	pp	309	80	95	95	90	0
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
				Mean =		87	95	95	87	0
13	Roundup Weathermax	22	oz/a	pp	113	95	95	95	95	0
	Bicep II Magnum	1.3	qt/a	pp	216	90	95	95	95	0
	AMS	2.5	lb/a	pp	314	85	90	95	90	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		90	93	95	93	0
14	Roundup Weathermax	22	oz/a	pp	114	90	95	95	95	0
	Lumax	3	pt/a	pp	215	80	85	95	80	0
	AMS	2.5	lb/a	pp	311	85	95	95	90	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		85	92	95	88	0
15	Roundup Weathermax	22	oz/a	pp	115	90	95	95	85	0
	Balance Pro	1.5	oz/a	pp	211	90	95	95	90	0
	AMS	2.5	lb/a	pp	306	90	90	95	75	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		90	93	95	83	0

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Weed Code					ABUTH	AMAPA	HELAN	SETVI	ZEAMX	
Crop Code					ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	PHYGEN	
Rating Unit					%	%	%	%	%	
Rating Date					21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	1	2	3	4	5
16	Roundup Weathermax	22	oz/a	pp	116	80	70	95	60	0
	Epic	5	oz/a	pp	219	85	75	95	50	0
	AMS	2.5	lb/a	pp	313	90	70	95	65	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		85	72	95	58	0
17	Roundup Weathermax	22	oz/a	pre	117	60	60	90	40	0
	AMS	2.5	lb/a	pre	202	60	50	90	40	0
	Roundup Weathermax	22	oz/a	mpost	307	70	65	85	50	0
	AMS	2.5	lb/a	mpost						
				Mean =		63	58	88	43	0
18	Roundup Weathermax	22	oz/a	pre	118	95	95	95	90	0
	Valor SX	2	oz/a	pre	220	95	90	95	85	0
	AMS	2.5	lb/a	pre	317	0	95	95	90	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		63	93	95	88	0
19	Roundup Weathermax	22	oz/a	pre	119	90	90	95	60	0
	Aatrex	1	lb ai/a	pre	208	80	95	95	50	0
	AMS	2.5	lb/a	pre	318	90	85	95	60	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		87	90	95	57	0
20	Roundup Weathermax	22	oz/a	pre	120	95	95	95	75	0
	Valor SX	2	oz/a	pre	222	95	90	90	70	0
	Aatrex	1	lb ai/a	pre	323	95	90	95	65	0
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
				Mean =		95	92	93	70	0
21	Roundup Weathermax	22	oz/a	pre	121	95	95	95	75	0
	Bicep II Magnum	1.3	qt/a	pre	212	95	95	95	80	0
	AMS	2.5	lb/a	pre	302	95	90	95	75	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		95	93	95	77	0
22	Roundup Weathermax	22	oz/a	pre	122	95	95	95	75	0
	Lumax	3	pt/a	pre	209	95	95	95	80	0
	AMS	2.5	lb/a	pre	315	95	95	90	70	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		95	95	93	75	0
23	Roundup Weathermax	22	oz/a	pre	123	95	95	95	90	0
	Balance Pro	1.5	oz/a	pre	206	95	70	95	90	0
	AMS	2.5	lb/a	pre	304	95	95	95	85	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		95	87	95	88	0

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Weed Code					ABUTH	AMAPA	HELAN	SETVI	ZEAMX	
Crop Code					ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	PHYGEN	
Rating Unit					%	%	%	%	%	
Rating Date					21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	
Trt	Treatment	Rate	Grow							
No.	Name	Rate	Unit	Stg	Plot	1	2	3	4	5
24	Roundup Weathermax	22	oz/a	pre	124	80	80	85	60	0
	Epic	5	oz/a	pre	210	80	75	95	80	0
	AMS	2.5	lb/a	pre	308	81*	75	85	60	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		80	77	88	67	0

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date					ABUTH ZEAMX CONTROL %	AMAPA ZEAMX CONTROL %	HELAN ZEAMX CONTROL %	SETVI ZEAMX CONTROL %	ZEAMX PHYGEN %
					26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007
Trt No.	Treatment Name	Rate Rate	Unit Unit	Grow Stg Plot	6	7	8	9	10
1	Roundup Weathermax	22	oz/a	epp 101	99	99	99	99	0
	AMS	2.5	lb/a	epp 214	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost 316	99	99	99	99	0
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0
2	Roundup Weathermax	22	oz/a	epp 102	99	99	99	99	0
	Valor SX	2	oz/a	epp 221	99	99	99	99	0
	AMS	2.5	lb/a	epp 301	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0
3	Roundup Weathermax	22	oz/a	epp 103	99	99	99	99	0
	Aatrex	1	lb ai/a	epp 205	99	99	99	99	0
	AMS	2.5	lb/a	epp 321	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0
4	Roundup Weathermax	22	oz/a	epp 104	99	99	99	99	0
	Valor SX	2	oz/a	epp 223	99	99	99	99	0
	Aatrex	1	lb ai/a	epp 310	99	99	99	99	0
	AMS	2.5	lb/a	epp					
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb ai/a	mpost					
				Mean =	99	99	99	99	0
5	Roundup Weathermax	22	oz/a	epp 105	99	99	99	99	0
	Bicep II Magnum	1.3	qt/a	epp 201	99	99	99	99	0
	AMS	2.5	lb/a	epp 322	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0
6	Roundup Weathermax	22	oz/a	epp 106	99	99	99	99	0
	Lumax	3	pt/a	epp 218	99	99	99	99	0
	AMS	2.5	lb/a	epp 324	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0
7	Roundup Weathermax	22	oz/a	epp 107	99	99	99	99	0
	Balance Pro	1.5	oz/a	epp 224	99	99	99	99	0
	AMS	2.5	lb/a	epp 320	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0
8	Roundup Weathermax	22	oz/a	epp 108	99	99	99	99	0
	Epic	5	oz/a	epp 207	99	99	99	99	0
	AMS	2.5	lb/a	epp 303	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost					
	AMS	2.5	lb/a	mpost					
				Mean =	99	99	99	99	0

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Weed Code					ABUTH	AMAPA	HELAN	SETVI	ZEAMX	
Crop Code					ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL	PHYGEN	
Rating Unit					%	%	%	%	%	
Rating Date					26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	Plot	6	7	8	9	10
9	Roundup Weathermax	22	oz/a	pp	109	99	99	99	99	0
	AMS	2.5	lb/a	pp	217	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost	305	99	99	99	99	0
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0
10	Roundup Weathermax	22	oz/a	pp	110	99	99	99	99	0
	Valor SX	2	oz/a	pp	204	99	99	99	99	0
	AMS	2.5	lb/a	pp	312	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0
11	Roundup Weathermax	22	oz/a	pp	111	99	99	99	99	0
	Aatrex	1	lb ai/a	pp	203	99	99	99	99	0
	AMS	2.5	lb/a	pp	319	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0
12	Roundup Weathermax	22	oz/a	pp	112	99	99	99	99	0
	Valor SX	2	oz/a	pp	213	99	99	99	99	0
	Aatrex	1	lb ai/a	pp	309	99	99	99	99	0
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
					Mean =	99	99	99	99	0
13	Roundup Weathermax	22	oz/a	pp	113	99	99	99	99	0
	Bicep II Magnum	1.3	qt/a	pp	216	99	99	99	99	0
	AMS	2.5	lb/a	pp	314	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0
14	Roundup Weathermax	22	oz/a	pp	114	99	99	99	99	0
	Lumax	3	pt/a	pp	215	99	99	99	99	0
	AMS	2.5	lb/a	pp	311	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0
15	Roundup Weathermax	22	oz/a	pp	115	99	99	99	99	0
	Balance Pro	1.5	oz/a	pp	211	99	99	99	99	0
	AMS	2.5	lb/a	pp	306	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0
16	Roundup Weathermax	22	oz/a	pp	116	99	99	99	99	0
	Epic	5	oz/a	pp	219	99	99	99	99	0
	AMS	2.5	lb/a	pp	313	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
					Mean =	99	99	99	99	0

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date					ABUTH ZEAMX CONTROL %	AMAPA ZEAMX CONTROL %	HELAN ZEAMX CONTROL %	SETVI ZEAMX CONTROL %	ZEAMX PHYGEN %	
					26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	
Trt No.	Treatment Name	Rate Rate	Unit Unit	Grow Stg	Plot	6	7	8	9	10
17	Roundup Weathermax	22	oz/a	pre	117	99	99	99	99	0
	AMS	2.5	lb/a	pre	202	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost	307	99	99	99	99	0
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0
18	Roundup Weathermax	22	oz/a	pre	118	99	99	99	99	0
	Valor SX	2	oz/a	pre	220	99	99	99	99	0
	AMS	2.5	lb/a	pre	317	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0
19	Roundup Weathermax	22	oz/a	pre	119	99	99	99	99	0
	Aatrex	1	lb ai/a	pre	208	99	99	99	99	0
	AMS	2.5	lb/a	pre	318	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0
20	Roundup Weathermax	22	oz/a	pre	120	99	99	99	99	0
	Valor SX	2	oz/a	pre	222	99	99	99	99	0
	Aatrex	1	lb ai/a	pre	323	99	99	99	99	0
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
				Mean =		99	99	99	99	0
21	Roundup Weathermax	22	oz/a	pre	121	99	99	99	99	0
	Bicep II Magnum	1.3	qt/a	pre	212	99	99	99	99	0
	AMS	2.5	lb/a	pre	302	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0
22	Roundup Weathermax	22	oz/a	pre	122	99	99	99	99	0
	Lumax	3	pt/a	pre	209	99	99	99	99	0
	AMS	2.5	lb/a	pre	315	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0
23	Roundup Weathermax	22	oz/a	pre	123	99	99	99	99	0
	Balance Pro	1.5	oz/a	pre	206	99	99	99	99	0
	AMS	2.5	lb/a	pre	304	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0
24	Roundup Weathermax	22	oz/a	pre	124	99	99	99	99	0
	Epic	5	oz/a	pre	210	99	99	99	99	0
	AMS	2.5	lb/a	pre	308	99	99	99	99	0
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
				Mean =		99	99	99	99	0

University of Nebraska

Valor in Field Corn

Trial ID: L0724

Study Dir.: Kevin Horky

Location: Havelock

Investigator: Dr. Mark Bernards

Weed Code				ABUTH	AMAPA	HELAN	SETVI	ZEAMX	ABUTH
Crop Code				ZEAMX	ZEAMX	ZEAMX	ZEAMX	PHYGEN	ZEAMX
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL		CONTROL
Rating Unit				%	%	%	%	%	%
Rating Date				21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	26/Jul/2007
Trt	Treatment	Rate	Grow						
No.	Name	Unit	Stg	1	2	3	4	5	6
1	Roundup Weathermax	22 oz/a	epp	32 b	0 f	95 a	0 i	0 a	99 a
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
2	Roundup Weathermax	22 oz/a	epp	77 a	92 a	95 a	37 h	0 a	99 a
	Valor SX	2 oz/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
3	Roundup Weathermax	22 oz/a	epp	72 ab	83 ab	95 a	37 h	0 a	99 a
	Aatrex	1 lb ai/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
4	Roundup Weathermax	22 oz/a	epp	80 a	87 ab	95 a	63 de	0 a	99 a
	Valor SX	2 oz/a	epp						
	Aatrex	1 lb ai/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb ai/a	mpost						
5	Roundup Weathermax	22 oz/a	epp	63 ab	72 cd	95 a	73 bcd	0 a	99 a
	Bicep II Magnum	1.3 qt/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
6	Roundup Weathermax	22 oz/a	epp	83 a	87 ab	95 a	57 efg	0 a	99 a
	Lumax	3 pt/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
7	Roundup Weathermax	22 oz/a	epp	90 a	65 de	95 a	45 fgh	0 a	99 a
	Balance Pro	1.5 oz/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
8	Roundup Weathermax	22 oz/a	epp	77 a	73 cd	95 a	45 fgh	0 a	99 a
	Epic	5 oz/a	epp						
	AMS	2.5 lb/a	epp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
9	Roundup Weathermax	22 oz/a	pp	63 ab	87 ab	95 a	47 fgh	0 a	99 a
	AMS	2.5 lb/a	pp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
10	Roundup Weathermax	22 oz/a	pp	92 a	95 a	95 a	87 ab	0 a	99 a
	Valor SX	2 oz/a	pp						
	AMS	2.5 lb/a	pp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						
11	Roundup Weathermax	22 oz/a	pp	90 a	95 a	95 a	87 ab	0 a	99 a
	Aatrex	1 lb ai/a	pp						
	AMS	2.5 lb/a	pp						
	Roundup Weathermax	22 oz/a	mpost						
	AMS	2.5 lb/a	mpost						

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Weed Code					ABUTH	AMAPA	HELAN	SETVI	ZEAMX	ABUTH
Crop Code					ZEAMX	ZEAMX	ZEAMX	ZEAMX	PHYGEN	ZEAMX
Rating Data Type					CONTROL	CONTROL	CONTROL	CONTROL		CONTROL
Rating Unit					%	%	%	%	%	%
Rating Date					21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	26/Jul/2007
Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	5	6
12	Roundup Weathermax	22	oz/a	pp	87 a	95 a	95 a	87 ab	0 a	99 a
	Valor SX	2	oz/a	pp						
	Aatrex	1	lb ai/a	pp						
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
13	Roundup Weathermax	22	oz/a	pp	90 a	93 a	95 a	93 a	0 a	99 a
	Bicep II Magnum	1.3	qt/a	pp						
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
14	Roundup Weathermax	22	oz/a	pp	85 a	92 a	95 a	88 ab	0 a	99 a
	Lumax	3	pt/a	pp						
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
15	Roundup Weathermax	22	oz/a	pp	90 a	93 a	95 a	83 abc	0 a	99 a
	Balance Pro	1.5	oz/a	pp						
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
16	Roundup Weathermax	22	oz/a	pp	85 a	72 cd	95 a	58 ef	0 a	99 a
	Epic	5	oz/a	pp						
	AMS	2.5	lb/a	pp						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
17	Roundup Weathermax	22	oz/a	pre	63 ab	58 e	88 b	43 gh	0 a	99 a
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
18	Roundup Weathermax	22	oz/a	pre	63 ab	93 a	95 a	88 ab	0 a	99 a
	Valor SX	2	oz/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
19	Roundup Weathermax	22	oz/a	pre	87 a	90 a	95 a	57 efg	0 a	99 a
	Aatrex	1	lb ai/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
20	Roundup Weathermax	22	oz/a	pre	95 a	92 a	93 a	70 cde	0 a	99 a
	Valor SX	2	oz/a	pre						
	Aatrex	1	lb ai/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb ai/a	mpost						
21	Roundup Weathermax	22	oz/a	pre	95 a	93 a	95 a	77 bcd	0 a	99 a
	Bicep II Magnum	1.3	qt/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
22	Roundup Weathermax	22	oz/a	pre	95 a	95 a	93 a	75 bcd	0 a	99 a
	Lumax	3	pt/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						

University of Nebraska

Weed Code				ABUTH	AMAPA	HELAN	SETVI		ABUTH	
Crop Code				ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type				CONTROL	CONTROL	CONTROL	CONTROL	PHYGEN	CONTROL	
Rating Unit				%	%	%	%	%	%	
Rating Date				21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	21/Jun/2007	26/Jul/2007	
Trt	Treatment	Rate	Grow							
No.	Name	Rate	Unit	Stg	1	2	3	4	5	6
23	Roundup Weathermax	22	oz/a	pre	95 a	87 ab	95 a	88 ab	0 a	99 a
	Balance Pro	1.5	oz/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
24	Roundup Weathermax	22	oz/a	pre	80 a	77 bc	88 b	67 de	0 a	99 a
	Epic	5	oz/a	pre						
	AMS	2.5	lb/a	pre						
	Roundup Weathermax	22	oz/a	mpost						
	AMS	2.5	lb/a	mpost						
LSD (P=.05)					27.7	7.7	2.6	9.6	0.0	0.0
Standard Deviation					16.8	4.7	1.6	5.8	0.0	0.0
CV					20.86	5.74	1.65	9.01	0.0	0.0
Grand Mean					80.36	81.88	94.31	64.65	0.0	99.0
Bartlett's X2					72.606	19.354	1.661	9.789	0.0	0.0
P(Bartlett's X2)					0.001*	0.37	0.646	0.988	.	.
Replicate F					0.017	0.425	1.000	0.808	0.000	0.000
Replicate Prob(F)					0.9827	0.6563	0.3757	0.4520	1.0000	1.0000
Treatment F					2.378	56.257	4.447	46.612	0.000	0.000
Treatment Prob(F)					0.0064	0.0001	0.0001	0.0001	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.

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date				AMAPA ZEAMX CONTROL %	HELAN ZEAMX CONTROL %	SETVI ZEAMX CONTROL %	ZEAMX PHYGEN %
				26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007
Trt No.	Treatment Name	Rate Rate Unit	Grow Stg	7	8	9	10
1	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	epp epp	99 a	99 a	99 a	0 a
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
2	Roundup Weathermax Valor SX	22 oz/a 2 oz/a	epp epp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
3	Roundup Weathermax Aatrex	22 oz/a 1 lb ai/a	epp epp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
4	Roundup Weathermax Valor SX	22 oz/a 2 oz/a	epp epp	99 a	99 a	99 a	0 a
	Aatrex	1 lb ai/a	epp				
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb ai/a	mpost mpost				
5	Roundup Weathermax Bicep II Magnum	22 oz/a 1.3 qt/a	epp epp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
6	Roundup Weathermax Lumax	22 oz/a 3 pt/a	epp epp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
7	Roundup Weathermax Balance Pro	22 oz/a 1.5 oz/a	epp epp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
8	Roundup Weathermax Epic	22 oz/a 5 oz/a	epp epp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	epp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
9	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	pp pp	99 a	99 a	99 a	0 a
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
10	Roundup Weathermax Valor SX	22 oz/a 2 oz/a	pp pp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	pp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				
11	Roundup Weathermax Aatrex	22 oz/a 1 lb ai/a	pp pp	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	pp				
	Roundup Weathermax AMS	22 oz/a 2.5 lb/a	mpost mpost				

University of Nebraska

Weed Code				AMAPA	HELAN	SETVI	ZEAMX
Crop Code				ZEAMX	ZEAMX	ZEAMX	ZEAMX
Rating Data Type				CONTROL	CONTROL	CONTROL	PHYGEN
Rating Unit				%	%	%	%
Rating Date				26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007
Trt No.	Treatment Name	Rate	Grow Stg	7	8	9	10
12	Roundup Weathermax	22 oz/a	pp	99 a	99 a	99 a	0 a
	Valor SX	2 oz/a	pp				
	Aatrex	1 lb ai/a	pp				
	AMS	2.5 lb/a	pp				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb ai/a	mpost				
13	Roundup Weathermax	22 oz/a	pp	99 a	99 a	99 a	0 a
	Bicep II Magnum	1.3 qt/a	pp				
	AMS	2.5 lb/a	pp				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
14	Roundup Weathermax	22 oz/a	pp	99 a	99 a	99 a	0 a
	Lumax	3 pt/a	pp				
	AMS	2.5 lb/a	pp				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
15	Roundup Weathermax	22 oz/a	pp	99 a	99 a	99 a	0 a
	Balance Pro	1.5 oz/a	pp				
	AMS	2.5 lb/a	pp				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
16	Roundup Weathermax	22 oz/a	pp	99 a	99 a	99 a	0 a
	Epic	5 oz/a	pp				
	AMS	2.5 lb/a	pp				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
17	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	0 a
	AMS	2.5 lb/a	pre				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
18	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	0 a
	Valor SX	2 oz/a	pre				
	AMS	2.5 lb/a	pre				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
19	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	0 a
	Aatrex	1 lb ai/a	pre				
	AMS	2.5 lb/a	pre				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
20	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	0 a
	Valor SX	2 oz/a	pre				
	Aatrex	1 lb ai/a	pre				
	AMS	2.5 lb/a	pre				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb ai/a	mpost				
21	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	0 a
	Bicep II Magnum	1.3 qt/a	pre				
	AMS	2.5 lb/a	pre				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				
22	Roundup Weathermax	22 oz/a	pre	99 a	99 a	99 a	0 a
	Lumax	3 pt/a	pre				
	AMS	2.5 lb/a	pre				
	Roundup Weathermax	22 oz/a	mpost				
	AMS	2.5 lb/a	mpost				

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Weed Code				AMAPA	HELAN	SETVI		
Crop Code				ZEAMX	ZEAMX	ZEAMX	ZEAMX	
Rating Data Type				CONTROL	CONTROL	CONTROL	PHYGEN	
Rating Unit				%	%	%	%	
Rating Date				26/Jul/2007	26/Jul/2007	26/Jul/2007	26/Jul/2007	
Trt No.	Treatment Name	Rate	Unit	Grow Stg	7	8	9	10
23	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	0 a
	Balance Pro	1.5	oz/a	pre				
	AMS	2.5	lb/a	pre				
	Roundup Weathermax	22	oz/a	mpost				
	AMS	2.5	lb/a	mpost				
24	Roundup Weathermax	22	oz/a	pre	99 a	99 a	99 a	0 a
	Epic	5	oz/a	pre				
	AMS	2.5	lb/a	pre				
	Roundup Weathermax	22	oz/a	mpost				
	AMS	2.5	lb/a	mpost				
LSD (P=.05)				0.0	0.0	0.0	0.0	
Standard Deviation				0.0	0.0	0.0	0.0	
CV				0.0	0.0	0.0	0.0	
Grand Mean				99.0	99.0	99.0	0.0	
Bartlett's X2				0.0	0.0	0.0	0.0	
P(Bartlett's X2)				
Replicate F				0.000	0.000	0.000	0.000	
Replicate Prob(F)				1.0000	1.0000	1.0000	1.0000	
Treatment F				0.000	0.000	0.000	0.000	
Treatment Prob(F)				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.