

LSU Northeast Research Station

A comparison of weed management programs for Roundup Ready and conventional corn

Trial ID: SJ05C013
Location:

Study Dir.:
Investigator: Bill Williams

GENERAL TRIAL INFORMATION

Investigator: Bill Williams

Conducted Under GLP (Y/N): N

Conducted Under GEP (Y/N): N

Conclusions: Overall, the best conventional program was Bicep II Magnum followed by Accent plus atrazine and the best Roundup Ready program was two applications of Roundup plus atrazine. Few differences in weed control were observed between the best conventional program and the best Roundup Ready program. Yields were similar for both conventional and Roundup Ready hybrids and programs. The best conventional program resulted in corn yields equal the best Roundup program, even when applied to DKC- 69-71.

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1.	BRAPP Signalgrass, broadleaf	Brachiaria platyphylla
2.	SORHA Johnson grass	Sorghum halepense
3.	CASOB Sickle pod	Cassia obtusifolia
4.	SIDSP Teaweed	Sida spinosa
5.	CONCA Marestail	Conyza canadensis

Crop 1: ZEAMX CORN, FIELD

Variety: Pioneer 31G68: DK6971RR

Planting Date: 4/4/05

Planting Method: BEDDED

Rate: 30000 S/A

Depth: 2 "

Row Spacing: 40 "

Seed Bed: FINE/TRASHY

Soil Moisture: DRY

Emergence Date: 4/14/05

SITE AND DESIGN

Plot Width, Unit: 13.3 FT

Plot Length, Unit: 30 FT

Reps: 3

Site Type: FIELD

Tillage Type: CONVENTIONAL-TILL

Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% Sand: 34	% OM: 0.06	Texture: Silt loam
% Silt: 54	pH: 5.3	Soil Name: Commerce
% Clay: 12	CEC: 6.3	Fert. Level: EXCELLENT

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MOISTURE CONDITIONS

	Date	Time	Amount	Unit	Type	Interval	Unit
1.	4/6/05	5:30 AM	0.26	in	Rainfall	0	n/a
2.	4/12/05	3:00 PM	0.88	in	Rainfall	0	n/a
3.	4/26/05	3:00 AM	1.04	in	Rainfall	0	n/a
4.	4/27/05	8:30 AM	0.04	in	Rainfall	0	n/a
5.	4/30/05	3:00 AM	0.21	in	Rainfall	0	n/a
6.	5/10/05	6:30 PM	0.25	in	Rainfall	0	n/a
7.	5/15/05	5:30 PM	0.46	in	Rainfall	0	n/a
8.	5/25/05	8:00 PM	0.78	in	Rainfall	0	n/a
9.	5/29/05	1:00 AM	0.63	in	Rainfall	0	n/a
10.	5/30/05	11:00 A	1.51	in	Rainfall	0	n/a
11.	5/31/05	8:00 PM	0.26	in	Rainfall	0	n/a
12.	6/2/05	4:00 PM	0.04	in	Rainfall	0	n/a
13.	6/6/05	7:00 PM	0.39	in	Rainfall	0	n/a
14.	6/18/05	11:00 A	0.42	in	Rainfall	0	n/a
15.	7/3/04	6:00 PM	0.06	in	Rainfall	0	n/a
16.	7/6/05	1:30 PM	1.6	in	Rainfall	0	n/a
17.	7/8/05	1:45 PM	0.93	in	Rainfall	0	n/a
18.	7/10/05	1:00 PM	0.04	in	Rainfall	0	n/a
19.	7/14/05	2:00 PM	0.44	in	Rainfall	0	n/a
20.	7/16/05	10:00 P	0.04	in	Rainfall	0	n/a
21.	7/17/05	1:00 PM	0.25	in	Rainfall	0	n/a
22.	7/18/05	7:00 PM	0.05	in	Rainfall	0	n/a
23.	7/22/05	2:30 PM	0.15	in	Rainfall	0	n/a
24.	8/4/05	3:30 PM	0.27	in	Rainfall	0	n/a
25.	8/5/05	8:00 PM	0.45	in	Rainfall	0	n/a
26.	8/6/05	6:00 PM	0.25	in	Rainfall	0	n/a
27.	8/16/05	6:00 PM	1.31	in	Rainfall	0	n/a
28.	8/22/05	9:00 PM	0.05	in	Rainfall	0	n/a

Overall Moisture Conditions: Dry

Closest Weather Station: northeast Research Station

Distance: 0.5

Unit: mi

APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	4/15/05	4/22/05	4/27/05	5/10/05
Time of Day:	2:00	11:00	11:00	1:30
Application Method:	SPRAY	SPRAY	SPRAY	SPRAY
Application Timing:	V1	EPOST	POST	LPOST
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	83 F	81 F	75 F	93 F
% Relative Humidity:	45	60	31	48
Wind Velocity, Unit:	4 S	6.5 S	1 S	1 W
Soil Temp., Unit:	80 F	84 F	75 F	89 F
Soil Moisture:	Dry	Dry	Moist	Wet
% Cloud Cover:	0	40	0	0

CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	ZEAMX V1	ZEAMX V2	ZEAMX V3-V3	ZEAMX V6
Stage Scale:	1 in	2-4 in	6-8 in	19-24 in

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WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	BRAPP 1-2 lf	BRAPP 4-5 lf	BRAPP 2-3 T	BRAPP 2-3 T
Stage Scale:	1 in	3-4"	3-4 in	4-6 in
Weed 2 Code, Stage:	SORHA n/a	SORHA n/a	SORHA n/a	SORHA n/a
Stage Scale:	4-6 in	6-8 in	12-18"	20-28"
Weed 3 Code, Stage:	CASOB cot	CASOB 1 lf	CASOB 1-2 lf	CASOB n/a
Stage Scale:	0.5 in	1 in	2-3 in	4-6 in
Weed 4 Code, Stage:	SIDSP n/a	SIDSP cot	SIDSP 1 lf	SIDSP 3-4 lf
Stage Scale:	n/a	0.5 in	1 in	3-4 in
Weed 5 Code, Stage:	CONCA n/a	CONCA n/a	CONCA n/a	CONCA n/a
Stage Scale:	4-6 in	6-8 in	10-12 in	12-16 in

APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	Backpack	Backpack	Backpack	Backpack
Operating Pressure:	31	31	31	31
Nozzle Type:	Greenleaf	Greenleaf	Greenleaf	Greenleaf
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 "	20 "	20 "	20 "
Nozzles/Row:	4	4	4	4
Carrier:	Water	Water	Water	Water
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2	CO2

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Trial ID: SJ05C013
 Location:

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Weed Code	BRAPP	BRAPP	BRAPP	BRAPP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/28/05	5/11/05	5/26/05	7/27/05
Trt-Eval Interval	6 DA-B	14 DA-C	16 DA-D	78 DA-D

ARM Action Codes
 # Subsamples, Dec.

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	
1	Pioneer 31G68				83	cd 87	abc 87	ab 85	ab
	Bicep II Magnum	2.1	QT/A	V1					
2	Pioneer 31G68				83	cd 93	a 92	a 80	ab
	Bicep II Magnum	2.1	QT/A	V1					
	Accent	0.4	OZ/A	POST					
	Atrazine	1.5	QT/A	POST					
	COC	1	% V/V	POST					
3	Pioneer 31G68				0	e 78	cd 77	d 77	ab
	Steadfast	0.5	OZ/A	POST					
	Atrazine	2	QT/A	POST					
	COC	1	% V/V	POST					
4	Pioneer 31G68				85	cd 88	abc 78	cd 78	ab
	Steadfast	0.5	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	COC	1	% V/V	EPOST					
	Accent	0.3	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					
	COC	1	% V/V	LPOST					
5	DKC 69-71				0	e 82	bcd 63	e 75	b
	Roundup Weathermax	22	OZ/A	POST					
6	DKC 69-71				0	e 92	ab 80	bcd 82	ab
	Roundup Weathermax	22	OZ/A	POST					
	Atrazine	2	QT/A	POST					
7	DKC 69-71				88	bc 73	d 92	a 80	ab
	Roundup Weathermax	22	OZ/A	EPOST					
	Roundup Weathermax	22	OZ/A	LPOST					
8	DKC 69-71				95	a 87	abc 77	d 77	ab
	Roundup Weathermax	22	OZ/A	EPOST					
	Atrazine	2	QT/A	EPOST					

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Weed Code	BRAPP	BRAPP	BRAPP	BRAPP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/28/05	5/11/05	5/26/05	7/27/05
Trt-Eval Interval	6 DA-B	14 DA-C	16 DA-D	78 DA-D
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	1	2	3	4	
9	DKC 69-71				93	ab 85	abc 92	a 85	ab
	Roundup Weathermax	22	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	Roundup Weathermax	22	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					
10	DKC 69-71				83	cd 88	abc 85	abc 85	ab
	Steadfast	0.5	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	COC	1	% V/V	EPOST					
	Accent	0.3	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					
	COC	1	% V/V	LPOST					
12	DKC 69-71				83	cd 83	a-d 90	a 83	ab
	Bicep II Magnum	2.1	QT/A	V1					
13	DKC 69-71				82	d 88	abc 90	a 90	a
	Bicep II Magnum	2.1	QT/A	V1					
	Accent	0.4	OZ/A	POST					
	Atrazine	1.5	QT/A	POST					
	COC	1	% V/V	POST					
14	nontreated				0	e 0	e 0	f 0	c
LSD (P=.05)					6.0	10.4	7.8	13.8	
Bartlett's X2					4.522	10.313	10.346	1.3	
P(Bartlett's X2)					0.718	0.502	0.17	0.999	

Means followed by same letter do not significantly differ (P=.05, LSD)

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

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Weed Code	SORHA	SORHA	SORHA	SORHA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/28/05	5/11/05	5/26/05	7/27/05
Trt-Eval Interval	6 DA-B	14 DA-C	16 DA-D	78 DA-D
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8
1	Pioneer 31G68				0	d 0	c 0	d 0
	Bicep II Magnum	2.1	QT/A	V1				d
2	Pioneer 31G68				0	d 95	a 95	a 92
	Bicep II Magnum	2.1	QT/A	V1				a
	Accent	0.4	OZ/A	POST				
	Atrazine	1.5	QT/A	POST				
	COC	1	% V/V	POST				
3	Pioneer 31G68				0	d 88	a 88	b 62
	Steadfast	0.5	OZ/A	POST				bc
	Atrazine	2	QT/A	POST				
	COC	1	% V/V	POST				
4	Pioneer 31G68				83	c 90	a 92	ab 87
	Steadfast	0.5	OZ/A	EPOST				ab
	Atrazine	1.0	QT/A	EPOST				
	COC	1	% V/V	EPOST				
	Accent	0.3	OZ/A	LPOST				
	Atrazine	1.5	QT/A	LPOST				
	COC	1	% V/V	LPOST				
5	DKC 69-71				0	d 88	a 80	c 90
	Roundup Weathermax	22	OZ/A	POST				a
6	DKC 69-71				0	d 95	a 83	c 80
	Roundup Weathermax	22	OZ/A	POST				abc
	Atrazine	2	QT/A	POST				
7	DKC 69-71				90	b 92	a 92	ab 90
	Roundup Weathermax	22	OZ/A	EPOST				a
	Roundup Weathermax	22	OZ/A	LPOST				
8	DKC 69-71				95	a 90	a 80	c 60
	Roundup Weathermax	22	OZ/A	EPOST				c
	Atrazine	2	QT/A	EPOST				
9	DKC 69-71				93	ab 92	a 95	a 93
	Roundup Weathermax	22	OZ/A	EPOST				a
	Atrazine	1.0	QT/A	EPOST				
	Roundup Weathermax	22	OZ/A	LPOST				
	Atrazine	1.5	QT/A	LPOST				

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Weed Code	SORHA	SORHA	SORHA	SORHA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/28/05	5/11/05	5/26/05	7/27/05
Trt-Eval Interval	6 DA-B	14 DA-C	16 DA-D	78 DA-D
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	5	6	7	8	
10	DKC 69-71				85	c 92	a 90	b 92	a
	Steadfast	0.5	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	COC	1	% V/V	EPOST					
	Accent	0.3	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					
	COC	1	% V/V	LPOST					
12	DKC 69-71				0	d 20	b 0	d 0	d
	Bicep II Magnum	2.1	QT/A	V1					
13	DKC 69-71				0	d 92	a 90	b 90	a
	Bicep II Magnum	2.1	QT/A	V1					
	Accent	0.4	OZ/A	POST					
	Atrazine	1.5	QT/A	POST					
	COC	1	% V/V	POST					
14	nontreated				0	d 0	c 0	d 0	d
LSD (P=.05)					4.5	18.0	3.5	25.0	
Bartlett's X2					0.883	23.633	1.626	25.438	
P(Bartlett's X2)					0.829	0.001*	0.653	0.001*	

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code	CASOB	CASOB	CASOB	SIDSP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/28/05	5/26/05	7/27/05	4/28/05
Trt-Eval Interval	6 DA-B	16 DA-D	78 DA-D	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	9	10	11	12	
1	Pioneer 31G68				93	ab 90	c 88	abc 93	a
	Bicep II Magnum	2.1	QT/A	V1					
2	Pioneer 31G68				92	b 93	ab 92	ab 92	a
	Bicep II Magnum	2.1	QT/A	V1					
	Accent	0.4	OZ/A	POST					
	Atrazine	1.5	QT/A	POST					
	COC	1	% V/V	POST					
3	Pioneer 31G68				0	c 90	c 88	abc 0	c
	Steadfast	0.5	OZ/A	POST					
	Atrazine	2	QT/A	POST					
	COC	1	% V/V	POST					
4	Pioneer 31G68				95	a 93	ab 92	ab 95	a
	Steadfast	0.5	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	COC	1	% V/V	EPOST					
	Accent	0.3	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					
	COC	1	% V/V	LPOST					
5	DKC 69-71				0	c 90	c 85	bc 0	c
	Roundup Weathermax	22	OZ/A	POST					
6	DKC 69-71				0	c 90	c 93	a 0	c
	Roundup Weathermax	22	OZ/A	POST					
	Atrazine	2	QT/A	POST					
7	DKC 69-71				93	ab 92	bc 90	abc 82	b
	Roundup Weathermax	22	OZ/A	EPOST					
	Roundup Weathermax	22	OZ/A	LPOST					
8	DKC 69-71				95	a 92	bc 93	a 95	a
	Roundup Weathermax	22	OZ/A	EPOST					
	Atrazine	2	QT/A	EPOST					
9	DKC 69-71				93	ab 95	a 92	ab 93	a
	Roundup Weathermax	22	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	Roundup Weathermax	22	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					

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Weed Code	CASOB	CASOB	CASOB	SIDSP
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	4/28/05	5/26/05	7/27/05	4/28/05
Trt-Eval Interval	6 DA-B	16 DA-D	78 DA-D	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				
Trt Treatment	Rate	Grow		
No. Name	Rate Unit	Stg	9	10
10 DKC 69-71			95	a 90
Steadfast	0.5 OZ/A	EPOST		c 92
Atrazine	1.0 QT/A	EPOST		ab 95
COC	1 % V/V	EPOST		a
Accent	0.3 OZ/A	LPOST		
Atrazine	1.5 QT/A	LPOST		
COC	1 % V/V	LPOST		
12 DKC 69-71			92	b 90
Bicep II Magnum	2.1 QT/A	V1		c 83
13 DKC 69-71			92	b 93
Bicep II Magnum	2.1 QT/A	V1		ab 88
Accent	0.4 OZ/A	POST		abc 92
Atrazine	1.5 QT/A	POST		a
COC	1 % V/V	POST		
14 nontreated			0	c 0
LSD (P=.05)			2.8	d 0
Bartlett's X2			0.0	d 0
P(Bartlett's X2)			1.00	d 0

Means followed by same letter do not significantly differ (P=.05, LSD)

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

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Weed Code	SIDSP	SIDSP	SIDSP	CONCA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/11/05	5/26/05	7/27/05	4/28/05
Trt-Eval Interval	14 DA-C	16 DA-D	78 DA-D	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				

Trt No.	Treatment Name	Rate	Unit	Grow Stg	13	14	15	16	
1	Pioneer 31G68				88	ab 90	b 92	ab 60	b
	Bicep II Magnum	2.1	QT/A	V1					
2	Pioneer 31G68				95	a 93	ab 80	bc 60	b
	Bicep II Magnum	2.1	QT/A	V1					
	Accent	0.4	OZ/A	POST					
	Atrazine	1.5	QT/A	POST					
	COC	1	% V/V	POST					
3	Pioneer 31G68				93	a 90	b 83	ab 0	c
	Steadfast	0.5	OZ/A	POST					
	Atrazine	2	QT/A	POST					
	COC	1	% V/V	POST					
4	Pioneer 31G68				95	a 93	ab 92	ab 80	a
	Steadfast	0.5	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	COC	1	% V/V	EPOST					
	Accent	0.3	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					
	COC	1	% V/V	LPOST					
5	DKC 69-71				85	ab 83	c 57	d 0	c
	Roundup Weathermax	22	OZ/A	POST					
6	DKC 69-71				95	a 90	b 93	a 0	c
	Roundup Weathermax	22	OZ/A	POST					
	Atrazine	2	QT/A	POST					
7	DKC 69-71				70	c 92	ab 70	c 82	a
	Roundup Weathermax	22	OZ/A	EPOST					
	Roundup Weathermax	22	OZ/A	LPOST					
8	DKC 69-71				95	a 92	ab 93	a 82	a
	Roundup Weathermax	22	OZ/A	EPOST					
	Atrazine	2	QT/A	EPOST					
9	DKC 69-71				95	a 95	a 83	ab 85	a
	Roundup Weathermax	22	OZ/A	EPOST					
	Atrazine	1.0	QT/A	EPOST					
	Roundup Weathermax	22	OZ/A	LPOST					
	Atrazine	1.5	QT/A	LPOST					

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Weed Code	SIDSP	SIDSP	SIDSP	CONCA
Crop Code				
Part Rated	PLATOT P	PLATOT P	PLATOT P	PLATOT P
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	%	%	%	%
Rating Date	5/11/05	5/26/05	7/27/05	4/28/05
Trt-Eval Interval	14 DA-C	16 DA-D	78 DA-D	6 DA-B
ARM Action Codes				
# Subsamples, Dec.				
Trt Treatment	Rate	Grow		
No. Name	Rate Unit	Stg	13	14
10 DKC 69-71			95	a 92
Steadfast	0.5 OZ/A	EPOST		ab 90
Atrazine	1.0 QT/A	EPOST		ab 80
COC	1 % V/V	EPOST		a
Accent	0.3 OZ/A	LPOST		
Atrazine	1.5 QT/A	LPOST		
COC	1 % V/V	LPOST		
12 DKC 69-71			78	bc 95
Bicep II Magnum	2.1 QT/A	V1		a 88
13 DKC 69-71			95	a 93
Bicep II Magnum	2.1 QT/A	V1		ab 93
Accent	0.4 OZ/A	POST		a 88
Atrazine	1.5 QT/A	POST		
COC	1 % V/V	POST		
14 nontreated			0	d 0
LSD (P=.05)			11.6	d 0
Bartlett's X2			5.867	e 0
P(Bartlett's X2)			0.209	c

Means followed by same letter do not significantly differ (P=.05, LSD)

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Weed Code	CONCA		
Crop Code		ZEAMX	ZEAMX
Part Rated	PLATOT P	GRAIN C	GRAIN C
Rating Data Type	CONTROL	Lbs/plt	Bu/A
Rating Unit	%	13% Mst	15% Mst
Rating Date	5/11/05	9/2/05	9/2/05
Trt-Eval Interval	14 DA-C		
ARM Action Codes			TY1
# Subsamples, Dec.			0

Trt No.	Treatment Name	Rate	Unit	Grow Stg	17	18	19
1	Pioneer 31G68				60	b 20	b 124
	Bicep II Magnum	2.1	QT/A	V1			
2	Pioneer 31G68				95	a 24	ab 153
	Bicep II Magnum	2.1	QT/A	V1			
	Accent	0.4	OZ/A	POST			
	Atrazine	1.5	QT/A	POST			
	COC	1	% V/V	POST			
3	Pioneer 31G68				93	a 21	b 134
	Steadfast	0.5	OZ/A	POST			
	Atrazine	2	QT/A	POST			
	COC	1	% V/V	POST			
4	Pioneer 31G68				90	a 24	ab 153
	Steadfast	0.5	OZ/A	EPOST			
	Atrazine	1.0	QT/A	EPOST			
	COC	1	% V/V	EPOST			
	Accent	0.3	OZ/A	LPOST			
	Atrazine	1.5	QT/A	LPOST			
	COC	1	% V/V	LPOST			
5	DKC 69-71				88	a 21	b 130
	Roundup Weathermax	22	OZ/A	POST			
6	DKC 69-71				95	a 24	ab 153
	Roundup Weathermax	22	OZ/A	POST			
	Atrazine	2	QT/A	POST			
7	DKC 69-71				70	b 23	ab 133
	Roundup Weathermax	22	OZ/A	EPOST			
	Roundup Weathermax	22	OZ/A	LPOST			
8	DKC 69-71				92	a 28	a 140
	Roundup Weathermax	22	OZ/A	EPOST			
	Atrazine	2	QT/A	EPOST			
9	DKC 69-71				90	a 22	b 140
	Roundup Weathermax	22	OZ/A	EPOST			
	Atrazine	1.0	QT/A	EPOST			
	Roundup Weathermax	22	OZ/A	LPOST			
	Atrazine	1.5	QT/A	LPOST			

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Weed Code		CONCA						
Crop Code				ZEAMX		ZEAMX		
Part Rated		PLATOT P		GRAIN C		GRAIN C		
Rating Data Type		CONTROL		Lbs/plt		Bu/A		
Rating Unit		%		13% Mst		15% Mst		
Rating Date		5/11/05		9/2/05		9/2/05		
Trt-Eval Interval		14 DA-C						
ARM Action Codes		TY1						
# Subsamples, Dec.		0						
Trt No.	Treatment Name	Rate	Unit	Grow Stg	17	18	19	
10	DKC 69-71				85	a 21	b 132	ab
	Steadfast	0.5	OZ/A	EPOST				
	Atrazine	1.0	QT/A	EPOST				
	COC	1	% V/V	EPOST				
	Accent	0.3	OZ/A	LPOST				
	Atrazine	1.5	QT/A	LPOST				
	COC	1	% V/V	LPOST				
12	DKC 69-71				60	b 24	ab 151	a
	Bicep II Magnum	2.1	QT/A	V1				
13	DKC 69-71				95	a 22	b 140	ab
	Bicep II Magnum	2.1	QT/A	V1				
	Accent	0.4	OZ/A	POST				
	Atrazine	1.5	QT/A	POST				
	COC	1	% V/V	POST				
14	nontreated				0	c 7	c 44	c
LSD (P=.05)					11.4	4.7	23.9	
Bartlett's X2					6.653	14.954	11.289	
P(Bartlett's X2)					0.354	0.244	0.504	

Means followed by same letter do not significantly differ (P=.05, LSD)

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

Column 19: TY1 = 6.28233*[18]